

PATENT COOPERATION TREATY
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT20998	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/KR03/00030	International filing date (<i>day/month/year</i>) 09 JANUARY 2003 (09.01.2003)	(Earliest) Priority Date (<i>day/month/year</i>) 11 JANUARY 2002 (11.01.2002)
Applicant CLARIANT INTERNATIONAL LTD et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (See Box II).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawing to be published with the abstract is Figure No. 1

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR03/00030

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 G03F 7/32**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G03F 7/32, G03F 7/42, B08B 3/04, C11D 1/66, C09D 3/80, C09D 9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR, JP: classes as aboveElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NPS, ESPACENET, DELPHION etc.**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 65 381 A2 (Shuttleworth) 11.24.1982 see the whole document	1 - 7
A	EP 376 687 A2 (Global chemical systems INC) 04.07.1990 see the whole document	1 - 7
A .P	US 6,368,421 B1 (Joseph E. Oberlander etc.) 09 04.2002 see the whole document	1 - 7
A	US 5,288,335 A (Edwin Stevens) 22.02.1994 see the whole document	1 - 7
A	US 4,749,510 A (Henry J. Nelson) 07.06.1988 see the whole document	1 - 7
A	US 5,098,591 A (Edwin Stevens) 24.03.1992 see the whole document	1 - 7
A	JP 61-120866 A (DAINIPPON INK CHEMICAL) 07.06.1986 see the whole document	1 - 7

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

28 MAY 2003 (28.05.2003)

Date of mailing of the international search report

28 MAY 2003 (28.05.2003)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KIM, Hyun Sook

Telephone No. 82-42-481-5584



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR03/00030

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 65 381 A2	11.24.1982	AU 8328082 A1	02.02.1983
EP 376 687 A2	04.07.1990	DK 670989 A0 US 5030290 A	28.12.1989 30.06.1990
US 6,368,421 B1	09.04.2002	WO 003306 A1 CN 1308737 T EP 1097405 A1	20.01.2000 15.08.2001 09.05.2001
US 5,288,335 A	22.02.1994	NONE	
US 4,749,510 A	07.06.1988	CA 1322321A	21.09.1993
US 5,098,591 A	24.03.1992	NONE	
JP 61-120866 A	07.06.1986	NONE	